

19990110.qrp v01_n332.qrl.990110

Date: Sun, 10 Jan 1999 19:03:26 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1332

QRP-L Digest 1332

Topics covered in this issue include:

- 1) [29258] Re: [Re: Dumb antenna question]
by Vic Rosenthal <rakefet@rakefet.com>
- 2) [29259] SST web adress?
by n0bfqrp@juno.com (Stephen c Stuntz)
- 3) [29260] ssb sprint
by "Dr. Rick Zabrodski" <occdoc@telusvelocity.net>
- 4) [29261] Re: [Re: [Re: Dumb antenna question]]
by Roy Lincoln <wa4dou@usa.net>
- 5) [29262] WTB: MXM tranceiver
by "Alan Fryer" <n3bj@hotmail.com>
- 6) [29263] WTB: Norcal Paddle
by "Alan Fryer" <n3bj@hotmail.com>
- 7) [29264] Low end is HIS
by hamjoel@juno.com
- 8) [29265] Milliwatting fun saturday
by Jim <kj5tf@madisoncounty.net>
- 9) [29266] Re: Further adventures of Pixie
by Lee Hopper <leehop@uswest.net>
- 10) [29267] QST DE K0RWC/AE: PARTY!
by K0RWC <rwc@frii.com>
- 11) [29268] Re: Sierra RF gain problem
by The Boices <boice@bigfoot.com>
- 12) [29269] Hamcalc update
by ntan <ntan@crosslink.net>
- 13) [29270] Re: Y2K
by The Boices <boice@bigfoot.com>
- 14) [29271] not qrp
by Dale and Judie <dalejudi@agate.net>
- 15) [29272] MRX-40 Receiver Questions
by Mike Boatright <ko4wx@mindspring.com>
- 16) [29273] FYBO and Hot Bands
by "Steve/n0tu" <n0tu@webaccess.net>
- 17) [29274] Near Vertical Incidence Skywave (NVIS).
by Jeff Johnson <jeff@san-dc.com>
- 18) [29275] Re: Near Vertical Incidence Skywave (NVIS).
by "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
- 19) [29276] AL7FS in MS

by Mike Duke <K5xu@cris.com>
20) [29277] Re: Near Vertical Incidence Skywave (NVIS).
by "Radman" <radman@best.com>
21) [29278] Re: AL7FS in Denver Jan 13-15
by CQCL@aol.com
22) [29279] Re: Y2K
by RangerSF5@aol.com
23) [29280] Re: Y2K
by dtmiller@nevia.net (Dean T. Miller)
24) [29281] Y2K & GPS Week Rollover
by "Radman" <radman@best.com>
25) [29282] RE: De-soldering Primer
by aweiss@usd.edu (Ade Weiss W0RSP)
26) [29283] Even more Pixie adventures in the field
by W7LS <w7ls@blarg.net>
27) [29284] RE: NA on 160 w. t. Sierra
by aweiss@usd.edu (Ade Weiss W0RSP)
28) [29285] Re: Further adventures of Pixie
by W7LS <w7ls@blarg.net>
29) [29286] Re: Near Vertical Incidence Skywave (NVIS).
by W7LS <w7ls@blarg.net>
30) [29287] Fireball Schematic error.
by we6w@juno.com (Ed Loranger)
31) [29288] Small CW Key
by qrp-1@fido261.qis.net
32) [29289] Re: Small CW Key
by wpc@west.net (John L. Roblin / Whiterook Products Co.)
33) [29290] New page
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
34) [29291] On My Way!
by "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
35) [29292] Calling All Club Stations
by "Ron Polityka" <wb3aal@talon.net>
36) [29293] Re: Near Vertical Incidence Skywave (NVIS).
by w2bj@juno.com (Barry J Minsky)
37) [29294] Re: On My Way!
by w2bj@juno.com (Barry J Minsky)
38) [29295] Re: Even more Pixie adventures in the field
by Tom Palmer <n1tp@worldnet.att.net>
39) [29296] NA QSO party at 30 mWatts
by wd3p@juno.com (Larry Cahoon)
40) [29297] FS: Argo 556/NB/7-Bands
by wb2vuo@juno.com (W. K. Hibbert)
41) [29298] Need help finding cross reference for HW_9 slug tuned inductor..
by Bernie Doehner <bad@uhf.wireless.net>
42) [29299] Re: NA QSO party at 30 mWatts
by Tom Palmer <n1tp@worldnet.att.net>
43) [29300] Milliwatting DX on 15M

by Jim <kj5tf@madisoncounty.net>
44) [29301] NVIS Web Site
by "J. W. Stevens" <jwsteven@concentric.net>
45) [29302] Re: Y2K
by brian <brian@iquest.net>
46) [29303] Re: [Re: [Re: Dumb antenna question]]
by "Mitch Dickson" <mitch@volstate.net>
47) [29304] Re: Need help finding cross reference for HW_9 slug tuned inductor..
by Michael Melland <badger@vbe.com>
48) [29305] Our R2/T2 DDS VFO
by Stephen John Farthing <stephen@stevef.demon.co.uk>
49) [29306] Uniden 10M FS
by bcutter@teal.csn.net (Bob Cutter)
50) [29307] Corsair I
by "Jeff M. Gold" <JGold@tntech.edu>
51) [29308] Trade SST/40 for SST/20
by Niel Skousen <skousen@srv.net>
52) [29309] NVIS Antenna Part Wanted
by "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
53) [29310] NVIS
by Roy Lincoln <wa4dou@usa.net>
54) [29311] Re: Corsair I
by w2bj@juno.com (Barry J Minsky)
55) [29312] Re: Trade SST/40 for SST/20
by w2bj@juno.com (Barry J Minsky)
56) [29313] Y2K is nothing compared to the dreaded M10
by guillotstutoring@juno.com
57) [29314] HAM LINKS
by Tom Palmer <n1tp@worldnet.att.net>
58) [29315] Re: NVIS
by "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
59) [29316] Flavorig
by "Brian Olson (I2)" <bolson@informns.k12.mn.us>
60) [29317] Millennium Declaration!
by we6w@juno.com (Ed Loranger)
61) [29318] Re: [Millennium Declaration!]
by Roy Lincoln <wa4dou@usa.net>
62) [29319] FS MFJ CW QRP
by RangerSF5@aol.com
63) [29320] Re: NVIS
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
64) [29321] ZL9CI
by Bruce Rattray <rattray@gpfn.sk.ca>
65) [29322] Re: Any interest in more 10-turn pots?
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
66) [29323] Re: ZL9CI
by Tom Palmer <n1tp@worldnet.att.net>
67) [29324] Re: ZL9CI

by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
68) [29325] WTB: NorCal 20 Kit Please
by n5zgt@swcp.com (Brian Mileschosky)
69) [29326] Re: NVIS Web Site
by The Boices <boice@bigfoot.com>
70) [29327] Various military manuals on-line (including comms)
by The Boices <boice@bigfoot.com>
71) [29328] Re: MRX-40 Receiver Questions
by we6w@juno.com (Ed Loranger)
72) [29329] NVIS
by Roy Lincoln <wa4dou@usa.net>
73) [29330] FS: RADIO HANDBOOK
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>

Date: Sat, 09 Jan 1999 16:01:15 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: wa4dou@usa.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29258] Re: [Re: Dumb antenna question]
Message-ID: <3697EDCB.56336EC3@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Roy Lincoln wrote:

>
> Unless you are looking for directionality in an antenna, why do you care if
> the feedline radiates? Baluns are frequently unnecessary and feedline
> radiation is frequently an overblown problem.

Three reasons:

- 1) The apparent swr will depend on the line length.
- 2) Feedline radiation tends to be in inappropriate directions, like into electrical and telephone wiring, causing RFI.
- 3) Depending on the feedline length, the equipment in your station can become hot for RF, causing various problems like malfunctioning keyers, hum, etc.

73,
Vic, K2VCO
Fresno CA

Date: Sat, 9 Jan 1999 17:33:03 -0700
From: n0bfqrp@juno.com (Stephen c Stuntz)
To: qrp-1@Lehigh.EDU
Subject: [29259] SST web adress?
Message-ID: <19990109.173304.15830.0.n0bfqrp@juno.com>

What is the SST web adr? N0TU Steve brought one to the CQC meeting and I am interested in finding one.

Thanks,

Stephen Stuntz N0BF CQC 18

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 10 Jan 1999 00:36:19 +0000
From: "Dr. Rick Zabrodski" <occdoc@telusvelocity.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29260] ssb sprint
Message-ID: <3697F603.56140A23@telusvelocity.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

please point your long wires and verticals north for a bit to listen for a VE6 using a Norcal Cascade! (My two elements are frozen south, thankfully, ;-))

VE6GK

--

Dr. Rick Zabrodski B.Sc., MD, CCFP(EM), ACBOM, FAADEP, CIME
Clinical Assistant Professor, University of Calgary, Faculty of Medicine

Fellow of the American Academy of Disability Evaluating Physicians
Civil Aviation Examiner and Certified Independent Medical Examiner
Special Interest in Occupational and Environmental Medicine

"Power is no substitute for skill"

Date: 9 Jan 99 19:36:32 EST
From: Roy Lincoln <wa4dou@usa.net>
To: rakefet@rakefet.com, wa4dou@usa.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29261] Re: [Re: [Re: Dumb antenna question]]
Message-ID: <19990110003632.14286.qmail@www0j.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Vic,

I stand by my previous statement" baluns are FREQUENTLY unnecessary and feedline radiation is FREQUENTLY an overblown problem". My apparent SWR doesn't vary, i have no RFI problems, and my shack isn't hot with RF. And hasn't been in many years since i used a windom antenna in the mid 60's and fed it against the second story plumbing where i lived. 73 Roy

WA4DOU-----

Roy Lincoln wrote:

>

> Unless you are looking for directionality in an antenna, why do you care
if
> the feedline radiates? Baluns are frequently unnecessary and feedline
> radiation is frequently an overblown problem.

Three reasons:

- 1) The apparent swr will depend on the line length.
- 2) Feedline radiation tends to be in inappropriate directions, like into electrical and telephone wiring, causing RFI.
- 3) Depending on the feedline length, the equipment in your station can become hot for RF, causing various problems like malfunctioning keyers, hum, etc.

73,
Vic, K2VCO
Fresno CA

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Sat, 09 Jan 1999 16:49:14 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [29262] WTB: MXM tranceiver
Message-ID: <19990110004914.7453.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Wanted: MXM tranceiver, any band. If you have one built or unbuilt that is surplus to your needs, please let me know.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 09 Jan 1999 16:52:18 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [29263] WTB: Norcal Paddle
Message-ID: <19990110005219.25638.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Wanted: Norcal paddle, built or unbuilt. If you have one that is surplus to your needs, please let me know.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 9 Jan 1999 18:55:12 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [29264] Low end is HIS
Message-ID: <19990109.201928.-202107.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

congratulations Mike on the upgrade...

I won't get the low end back till the rules change...

However I did want to congratulate You on a task (getting the extra) well done... takes drive and comitment... good for u and hope u work lots of dx...

Joel, wa5cvm, displaced cajun in the sneaux of maine...

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 09 Jan 1999 19:24:17 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-1@Lehigh.EDU
Subject: [29265] Milli wattting fun saturday
Message-ID: <36980141.7EAC@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The contest saturday was a good time to try 50 millliwatts on 20 and 10M. I ran my QRP+ down to 50mW and started calling everyone I could. It wasnt very hard to contact a nice string.

K8NZ 1905z 14.030

N4VI 1910z 14.046

N9FH 1913z 14.044

W4OC 1914z 14.043

NC7W 1931z 14.037

NA0N 1947z 14.049

WX7M 2203z 579 28.010

BTW, got an email from Hank K8DD, he found DL8WF's QSL info! If we had a complete QSO I need to figure the miles per watt from Kingston, Ar. to Dessau Germany! I was running 50mW to a half square wire antenna.

Hanks web page has good QSL info, bookmark this! www.tir.com/~k8dd

Jim KJ5TF AR QRP #2

Date: Sat, 09 Jan 1999 17:39:50 -0800
From: Lee Hopper <leehop@uswest.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, w7ls@blarg.net
Subject: [29266] Re: Further adventures of Pixie
Message-ID: <369804E6.45B110BE@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim -

I don't know if others on the list are curious, but as a newbie I wonder why it was important in your test to use NVIS (near vertical incidence skywave). In other words, why not put your dipole broadside to the intended direction?

Tnx-
Lee H.

Jim W7LS wrote in part:
> Antenna was
> again, a dipole, 4 feet up off the ground. Alan was directly off the end
> of the antenna, deliberately, or at least sort-of. That way, we could
> surmise that he was at a null in the groundwave pattern, although it is
> not as deep as in free-space. Ergo, any communications we accomplished
> would necessarily be due to Near Vertical Incidence Skywave (NVIS).

--

Lee Hopper, KD7CTF }}}}{
Portland, OR, USA (0)(0)
 ~~

Date: Sat, 09 Jan 1999 18:45:21 -0700
From: K0RWC <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: Jeff Francis <jfrancis@frii.com>
Subject: [29267] QST DE K0RWC/AE: PARTY!
Message-ID: <3.0.5.32.19990109184521.00a4dd30@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folk!

YAHOO!!! I did it, I passed my EXTRA today! So to celebrate I'm hosting a
ORP QSO Party.

When: Sunday, 10-Jan-98
Time: 2030-2200 MST
Freq: various see below

Party locations & details:

Date & Time

Local (MST)	UTC	Freq +-2-3kHz
1/10, 2030 - 2100	1/11, 0330 - 0400	7007kHz
	Why 7.007?	
	Because I can be there ;-)	
1/10, 2100 - 2130	1/11, 0400 - 0430	7040kHz
1/10, 2130 - 2200	1/11, 0430 - 0500	7110kHz

I'll be calling CQ with my NorCal 40 pumping out abt 2wts. Each QSO Failed or successful, will be numbered. Full RST/QTH/NAME/QSO# exchange earns a QSL card with your QSO# on it. (Need CO for WAS? Here is your chance!)

So that's is it, sweet, simple, fun, and _all_ Lic. classes get a chance to play. East-costers & Midwesterners, sorry for the late hour it's the best time for me & I wanted to do this on 40MTRS.

So stop by, have a glass of champagne (if your 21 or over), help me celebrate & have some fun: simple exchange or chew the rag for a bit.

BTW: First QSO as an Extra was with NK8A, NR CLEVELAND OH 1/11, 0015Z, 14005kHz. I was using my OHR100A at abt. 4watts, got a 559. I just had to do it on 20, QRP, with a homebuilt rig. :-)

What a day: I make Extra, Make 1st XTRA QSO @ QRP levels & the Broncos win!

MEET ME ON THE LOW EDGE OF THE BAND.... <-- hidden lyric in Pink Floyds, Dark Side of the Moon...? ;-)

Date: Sat, 09 Jan 1999 20:08:48 -0600

From: The Boices <boice@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [29268] Re: Sierra RF gain problem
Message-ID: <3.0.6.32.19990109200848.0090d100@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 15:18 99/01/09 -0600, The Boices wrote:

>I recently fired up my Sierra after it had been left to gather dust for the
>last several months (not hooked up to power or antenna). Everything seems
>just fine, other than the RF Gain control seems to, well, work in reverse
now!

Well, my initial thoughts weren't entirely correct. This afternoon I went out with the Sierra to the shop at work, and strung out ~120 feet of wire, mostly at 3 foot or so above the ground. Another 40 feet or so went the other direction as a counterpoise. Both wires ran in the window to the workbench where I sat with the Sierra, ZM-1 tuner and RF-1 Analyst (my only SWR indicator right now).

I used the RF-1 to tune the antenna for 40, 30, 17 and 15 meters (my only band modules). All bands tuned up nicely to under 1.5:1 SWR. Plugged it into the Sierra, and it all worked just fine! Should have known better to doubt Wayne's design (my personal construction skills, however, are another story.....)

I brought the rig home, and tried it again, using the 5 minute SWL wonder antenna I've got set up on the balcony (can't get a real antenna out there). And, before anyone asks, I DON'T transmit off this antenna. It's about 100 feet of 22 ga insulated wire tightly wound on about 3 feet of a wooden flag pole, stuck out at about a 45 degree angle from the balcony handrail. Alligator clips attach it and a couple tossed wires acting as a ground plane to the incoming coax. It works quite well for receiving on my Ten Tec RX-320, but apparently the Sierra, even through the ZM-1 properly tuned, sees it as almost a "negative" antenna; that is it seems to reduce the sensitivity of the Sierra.

Why this is, and why the very minimum gain position of the RF Gain on the Sierra will bring the signal up a bit, I don't know.

73,

Mike Boice, KW1ND
Canyon TX

Date: Sat, 09 Jan 1999 21:11:05 -0500

From: ntan <ntan@crosslink.net>
To: QRP-L <qrp-l@lehigh.EDU>
Subject: [29269] Hamcalc update
Message-ID: <36980C35.9D63450C@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey!!!! I finally got it loaded right! Man that had me stumped, but ob,
I said, don't give up yet. I made quite a few errors, but its true, we
learn from our mistakes!!!! Now, one last question, am I supposed to
have smoke pouring out the back of my computer??
Tnx, 72 es Keep it low-Neil WA4CHQrp

Date: Sat, 09 Jan 1999 20:37:46 -0600
From: The Boices <boice@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [29270] Re: Y2K
Message-ID: <3.0.6.32.19990109203746.0091e220@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 17:10 99/01/09 EST, RangerSF5@aol.com wrote:
>I may be wrong but if you recall almost a year ago there was a discussion
about the roll over date for gps sats >(SV's) I'm sure it was this past
Aug.Could be wrong but I do remember a lot of what was said on the list.

To quote from the Garmin FAQ web site:

"Another important event for GPS receivers will occur on August 22, 1999.
This event, known as GPS week number rollover, is when the week number
transmitted in the satellite navigation message will change from 1023 to 0.
The GPS week number rollover will not cause navigation errors for GARMIN
products if operated during the rollover event."

So, it is this COMING August.

73,

Mike Boice, KW1ND
Canyon TX

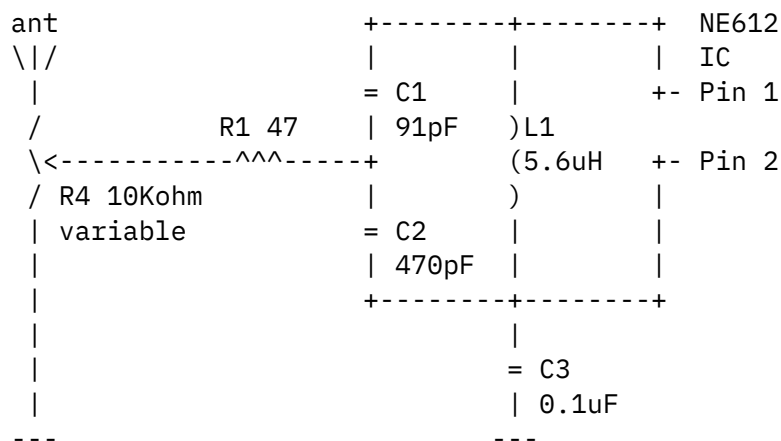
Date: Sat, 09 Jan 1999 21:51:43 -0500
From: Dale and Judie <dalejudi@agate.net>
To: qrp-l@Lehigh.EDU
Subject: [29271] not qrp
Message-ID: <3.0.1.32.19990109215143.007b5bf0@agate.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know someone on this list is likely to know the answer, and I hope you will forgive this question. In Windows 95, why would a person be able to hear midi files , and hear a cd being played , but no sound from sound recorder or wave files ?

thanks ,
Dale
n1txw

Date: Sat, 09 Jan 1999 21:54:40 -0500
From: Mike Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: Sam Billingsley <SBillingsley@usaninc.com>
Subject: [29272] MRX-40 Receiver Questions
Message-ID: <36981670.7543@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As a nice companion to the NOGA 80 transmitter, I'm looking to build an NE612 based, SIMPLE receiver, following K8IDN's MRX-40 design. I'm a bit baffled by the receiver input circuit and was wondering if anyone could help me out. In a nutshell, the 40m receiver input is like this:



///

///

Aside from any comments about the high tech graphics, could someone help me out with the following:

- 1) What would be the appropriate values for C1, C2 and L1 for 80meters (3686KHz)? (Note that I'm taking the circuit from K4TWJ's article in the August, 1997 CQ, where he changes the values to C1=68pF, C2=330pF and L1=4.7uH).
- 2) How does this input circuit work and what are the appropriate formulas for calculating C1, C2 and L3?
- 3) With regard to 2, I THINK this is a "balanced input", but am not 100% sure. I think it's balanced, since the 470pF capacitor is not grounded. Also the ARRL Handbook says that the NE602 (similar to the NE612, but not the same) has an AC impedance of 1500 ohms in parallel to 3pF of capacitance. Does this factor into the equations for Q2?
- 4) I'm sure the point of this input circuit is to be resonant around 7040KHz. How, exactly, is the circuit resonant? It's the split capacitors that confuses me.

Thanks es 72, de Mike, K04WX

--

Mike Boatright, K04WX

Amateur Radio Emergency Service,

District Emergency Coordinator to Georgia Emergency Management Agency

Date: Sat, 9 Jan 1999 20:48:58 -0700

From: "Steve/n0tu" <n0tu@webaccess.net>

To: "QRP-L" <QRP-L@lehigh.edu>

Cc: <vole@primenet.com>

Subject: [29273] FYB0 and Hot Bands

Message-ID: <001601be3c4c\$2cb39420\$77a8a3cc@S&P.www.webaccess.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hey Joe (Eskimo# 1),

Do you have rigs for 15m and 10m. Huh?

After listening to Paul Harden's talk at CQC meeting it sounds like
FYBO might be in for some good HOT HF conditions.

This Eskimo wants to know.

TU & 72/73 ...Steve/n0tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Sat, 09 Jan 1999 20:59:41 -0700
From: Jeff Johnson <jeff@san-dc.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [29274] Near Vertical Incidence Skywave (NVIS).
Message-ID: <3.0.32.19990109205922.008fe520@san-dc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group: A book on "Near Vertical Incidence Skywave (NVIS)" was recommended
to me, but I have not been able to find it. It was billed as the ultimate
antenna book. Has anyone seen this book??
Jeff Johnson
KJ7LO

AZ ScQRPions, QRP-1 1739, ICQ 213663

Phoenix, Arizona

Date: Sun, 10 Jan 1999 15:17:41 +1100
From: "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
To: <jeff@san-dc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29275] Re: Near Vertical Incidence Skywave (NVIS).
Message-ID: <009701be3c50\$2bc47c60\$ee12c018@c3.telstramm.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff,

>Group: A book on "Near Vertical Incidence Skywave (NVIS)" was recommended
>to me, but I have not been able to find it. It was billed as the ultimate
>antenna book. Has anyone seen this book??

See <http://www.w16wr.com/Books/NVIS.html>

Cheers Zim VK3GJZ

Date: Sat, 9 Jan 1999 23:25:16 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29276] AL7FS in MS
Message-ID: <Pine.SUN.4.01.9901092322270.29038-1000000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Today, while playing in the N.A. QSO Party with myts570S set to 5 watts, I caught Jimon 28.060. Got him on the first try!

I am also now at least 1 twentyth of the way to the Arkansas QRP Club Challenge!

HMMM. Are there 20 more contests this year?

72,

Mike Duke, K5XU,
President,
Mississippi Council of the Blind
<http://www.prestridge.com/mcb/>

Date: Sat, 9 Jan 1999 20:31:30 -0800
From: "Radman" <radman@best.com>
To: <jeff@san-dc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29277] Re: Near Vertical Incidence Skywave (NVIS).
Message-ID: <199901100428.UAA17288@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jeff,

I couldn't find your *exact* title. Try Worldradio Books
Online at:
URL: http://www.wr6wr.com/Books/Book_order.html

Phone: 916/457-3655 or send a check to:
Worldradio Books, 2120 28th Street, Sacramento, CA 95818.

They have:

"Near Vertical Incidence Skywave Communications - Theory,
Techniques and Validation,"
by LTC David M.Fiedler & MAJ Edward Farmer, AA6ZM, P.E.
\$14.00 + \$2.00 s/h (\$4.00 for non-US ZIP air delivery.)
CA residents add \$1.09 tax.

Hope this helps,

GL & 72 - Conrad Weiss - NN6CW ...I haven't read it :-)

Group: A book on "Near Vertical Incidence Skywave (NVIS)"
was recommended
to me, but I have not been able to find it. It was billed
as the ultimate
antenna book. Has anyone seen this book??
Jeff Johnson
KJ7LO

AZ ScQRPions, QRP-1 1739, ICQ 213663

Phoenix, Arizona

Date: Sat, 9 Jan 1999 23:33:23 EST
From: CQCL@aol.com
To: al7fs@pobox.alaska.net, owner-qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU
Subject: [29278] Re: AL7FS in Denver Jan 13-15
Message-ID: <27e2dbeb.36982d93@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Sure would like to meet with you when you are in Denver, but the family has
tickets to the big stock show/rodeo Wednesday.

Rich WOHEP
303-366-3114
303-810-2302 Cell

Date: Sat, 9 Jan 1999 23:49:32 EST
From: RangerSF5@aol.com
To: boice@bigfoot.com, Qrp-1@lehigh.edu
Subject: [29279] Re: Y2K
Message-ID: <51307b24.3698315c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-01-09 21:40:02 EST, you write:

<<

At 17:10 99/01/09 EST, RangerSF5@aol.com wrote:

>I may be wrong but if you recall almost a year ago there was a discussion
about the roll over date for gps sats >(SV's) I'm sure it was this past
Aug.Could be wrong but I do remember a lot of what was said on the list.

>>

Well,

RangerSF5 wrote what was said on this list a year ago and someone did say to
leave your unit on for the roll over time last AUG.

Well,I love my Sandy 183 compass,no batteries,not affected by RF,don't have to
wait for a lock up from the SV's,and it doesn't have to worry about Y2K or
roll over dates.

Bob

WA2HOQ

Date: Sun, 10 Jan 1999 06:00:08 GMT
From: dtmiller@nevia.net (Dean T. Miller)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29280] Re: Y2K
Message-ID: <3698349f.70179597@mail.nevia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi guys,

I know some of us use GPS for lots of things, some of us don't use it at all.

To help clear up matters (and all of this can be found in official reports on the WWW):

The GPS satellites have no Y2K or other date problems (but they do roll over next August.

All new, and most older, GPS receivers are aware of the rollover and won't malfunction. (There is some concern with the Magellen units of 5+ years ago, from what I hear. This can be checked on the WWW if you have one of them.)

HOWEVER, the ground stations that adjust the timing for the satellites (due to orbital variations) are NOT currently Y2K compliant. Two reports on the WWW give different dates for getting these ground stations fixed. One gives a planned date of late this year (after the rollover) while the other says 'summer of 2000.' If the latter is correct, the GPS system will degrade in accuracy until the ground stations are on line again.

On Fri, 8 Jan 1999 23:18:44 +0000, Larry Cahoon wrote:

```
>
>On Fri, 8 Jan 1999 17:31:13 -0500 "Mitch Dickson" <mitch@volstate.net>
>writes:
>
>>instance :) or the GPS satellites that a lot of us use, as well as=20
>>the defense department to fly these "Smart" weapons (we are to loose
>most=20
>>of these in April, wonder if there will be a fire sale on GPS items =20
>>hehe). If you would like to start said hobby, here are a few places to
>start and
>
>GPS has a different problem - it's a 1024 week rollover and happens next
>Aug. The system works in 1024 week cycles - Y2K means nothing for GPS -
>Most if not all GPS stuff being sold now if OK, I don't know about the
>old stuff, but you can check out the GPS manufacturer's web sites for
>details.
```

-- Dean -- from (almost) Duh Moines (CDP, KB0ZDF)

Date: Sat, 9 Jan 1999 22:30:46 -0800
From: "Radman" <radman@best.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29281] Y2K & GPS Week Rollover
Message-ID: <199901100627.WAA01664@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

For some excellent reading material on Y2K and GPS Week
Number Rollover, I'd recommend a visit to Trimble
Navigation's web page.
URL: <http://www.trimble.com/>

Just follow the links from their main page and you can
delve deeper than most would care/dare to go ;)

Disclaimer: Some GPS transmitters *are* QRP, so I view
this as an appropriate post ;)

Happy reading,

72 - Conrad - NN6CW

Date: Sun, 10 Jan 1999 00:33:13 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-1@lehigh.edu
Subject: [29282] RE: De-soldering Primer
Message-ID: <199901100633.AAA15876@sunburst.usd.ed>

Hey Wayne -- great piece on de-soldering -- both highly informative and amusing!
Regardless of your de-soldering prowess, you sure designed a great Sierra
receiver!

At any rate, I wish to amend 9A:

Instead of using another component's highly solderable lead, pick something which
doesn't
take solder too readily, to wit, a common safety pin. The 1.25" variety is about
the right
diameter for the usual pad holes. Now, solder will stick to it as it is pushed
thru the hole in the
pcb, but that is the purpose -- to get the solder out of the hole and off the pad.
The trick is to use a knife blade or some such to scrape the solder off the put-

thru part of the pin. Comes off easy. After a while, scraping the pin bares its under-surface which takes solder more readily. Who cares? -- cheap.

I insert the pcb in my little workbench vise, pcb perpendicular to my chest. Aim the pin tip in the hole, then apply the tip of the iron to the underside of the pcb. It pushes thru gently -- rotate it as the soldering tip is removed -- keeps it from binding. Then scrape the solder off with the knife blade -- as completely as possible. Then it usually pulls back a 1/2" easily because most of the debris is closer to the tip. Rotate and scrape etc. Since the pin tip is beveled, once it is all the way in, the hole is completely opened up.

I have one of those radio shack soldering iron / suckers with the red bulb. Works with the correct technique. My only complaint is that I lost concentration and for some reason had to get my left hand (which was holding it) free -- so I grabbed the metal barrell with my right hand -- oh boy! 3/8" blisters 1-in long on thmb and first finger! Ugh!

If you just want to get a part out, propane torch the underside and whack the pcb on the table -- a whole handful of parts will come out. Pcb catches fire and stinks at times, but this is assembly-line technology!

Overall, the MAIN CAUTION -- don't overheat the pad or it is gone!

72 All, Ade

Date: Sat, 09 Jan 1999 22:49:54 -0800

From: W7LS <w7ls@blarg.net>

To: toads <toadsurvival@earthlink.net>, stuw@ricochet.net, sullivp@wdni.com, StroehC@WSDOT.WA.GOV, robyn@arno.com, RFlober@aol.com, ntrsys@animal.blarg.net, kdrake@soph-ware.com, farrell@jps.net, Jim.Horn@ci.seattle.wa.us, MATTSO@classic.msn.com, reddog6@gte.net, william@halcyon.com, index@narrows.com, Subject: [29283] Even more Pixie adventures in the field

Message-ID: <36984D92.69AA@blarg.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi, again. Alan KB7MBI and I ran yet another range test on the Pixie2. This time it was from a distance of 45 miles. The rundown is as follows:

Range: 45 miles

Setup: Pixie2 (standard, no mods) running 150 mW and using a 9v battery.

Band: 80 meter novice band.

Antenna was a dipole. Height was 5 feet in middle, 5 feet at one end and 2 feet at the other.

Feedline was 10' of RG-174/u. Center insulator was a dual banana jack. Fishing line to support center and ends.

Weather was drizzle (DUH! This is Western Washington!!!)

Time was 11 am, roughly.

Orientation of the dipole: Alan's home station was directly in line with the antenna wires. This should be the worst angle for groundwave. Any communication would necessarily be skywave.

Alan's station was his normal, Ten Tec Omni with his usual lowband antenna. He will have to elaborate, as I'm not sure what it was.

Results:

We had no trouble communicating with the Pixie2. In fact, Alan gave me an honest 589. The only trouble was on my end, because I had terrible AM broadcast interference, due to a really close transmitter. I had trouble picking him out of the BCI. He had no trouble with my signal, however. A filter is in order, if there is a nearby transmitter.

Having been spurred on by our successes, I suggested we switch over to ssb, as I also had a Small Wonder White Mountain 75 and a camcorder battery in my pack. Immediately, we established contact. He gave me a 5 by 6. The WM-75 only puts out about 3 watts. QSB was more of a problem. Alan gave me a 90% readability factor. He stomped in, at my end of the path at all times.

So goes the saga. We have now done tests at 6, 8, 21, and 45 miles with the same setup. I plan on more tests at longer ranges, shortly. I used to wonder if I could establish reliable communications at such ranges with only a watt. Now, I see no need to waste the battery power with a whole watt. 1/6 of a watt apparently works just fine. This makes solar power an easy, cheap reality.

Forgot to mention that my son Aaron KC7YFR timed me on setup, from cracking open the bag to beginning of transmission. 4 minutes, 30 seconds, including setting up the antenna.

73. Bye for now. de Jim Hossack W7LS

Date: Sun, 10 Jan 1999 01:00:28 -0600 (CST)

From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-1@lehigh.edu
Subject: [29284] RE: NA on 160 w. t. Sierra
Message-ID: <199901100700.BAA19783@sunburst.usd.ed>

Hi gang: I guess some of you must be getting bored with my ranting about the Sierra by now!!!

I'll keep it short. I put six silly 66ft radials under my 40m Zepp at 45-58ft high with about 65 ft. of feedline about a month ago -- just to see if the Sierra would do it. First QSO's were at about 2w stock. Since then I've modified it a little and put out 5w on 160m.

So, fooling around with th 160m module and thought I'd give tghe NA a try tonite. LOUD

signals. At any rate, I worked 25 in an hour and 15 mins, best DX PA and NM,TX. I'm really thrilled with this! Junk antenna basically. The radials were buried in 4-8" of snow for a while and couldn't load up the antenna until I went out and found 3 of them and put them on top of the snow cover.

So, yes, you can work QRP on 160-m!

Only bummer -- W3GH/QRP worked NONI right after I did -- he had a time getting the GH part of the call thru, but QSO completed. Unfortunately, he didn't hear me calling him! Would have been the "cream" -- a 2-way QRP between SD/PA!!!

72 All
Ade

Date: Sat, 09 Jan 1999 23:26:15 -0800
From: W7LS <w7ls@blarg.net>
To: leehop@uswest.net
Cc: qrp-1@lehigh.edu
Subject: [29285] Re: Further adventures of Pixie
Message-ID: <36985617.3B07@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Lee. Good question. The reason I do this is because I am testing the skywave component of the radiation. True, the radiation from my antenna, in the direction of the intended receiving station, would be best if I was shooting broadside to the antenna, but then I would be dealing with both the groundwave and the skywave component. Very near to me, my direct

groundwave signal overpowers the skywave signal. Very far away, the skywave signal overpowers the groundwave, due to absorption losses as the signal propagates along the ground. At some medium distance, about 10-20 miles away, the two components are roughly the same strength, but uncontrolled phase relation. Sometimes they add and sometimes they cancel. This is QSB fading. The NVIS skywave component is independent of the orientation of the antenna, so why not just set up the experiment to deliberately kill off the groundwave as fast as possible? That's why we orient it the way we do.

Since my signal goes roughly the same distance up and back down, no matter what the ground distance is, within reason, I am seeing roughly the same signal strengths at all ranges tested, so far.

Hope this answers the question. Feel free to ask away.

73 de Jim, W7LS

Lee Hopper wrote:

```
>
> Jim -
>
> I don't know if others on the list are curious, but as a newbie I wonder why it
> was important in your test to use NVIS (near vertical incidence skywave). In
> other words, why not put your dipole broadside to the intended direction?
>
> Tnx-
> Lee H.
>
> Jim W7LS wrote in part:
> > Antenna was
> > again, a dipole, 4 feet up off the ground. Alan was directly off the end
> > of the antenna, deliberately, or at least sort-of. That way, we could
> > surmise that he was at a null in the groundwave pattern, although it is
> > not as deep as in free-space. Ergo, any communications we accomplished
> > would necessarily be due to Near Vertical Incidence Skywave (NVIS).
>
> --
>
> Lee Hopper, KD7CTF      {}{}{}{}
> Portland, OR, USA      (0)(0)
>                          ~~
```

Date: Sat, 09 Jan 1999 23:28:48 -0800
From: W7LS <w7ls@blarg.net>
To: jeff@san-dc.com
Cc: qrp-1@lehigh.edu

Subject: [29286] Re: Near Vertical Incidence Skywave (NVIS).
Message-ID: <369856B0.344E@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Jeff. World Radio Books is the only place I know of that has them.
About \$14. I don't know the address. They don't have a phone and no web
site. Must mail it in. 73 de Jim, W7LS

Jeff Johnson wrote:

>
> Group: A book on "Near Vertical Incidence Skywave (NVIS)" was recommended
> to me, but I have not been able to find it. It was billed as the ultimate
> antenna book. Has anyone seen this book??
> Jeff Johnson
> KJ7LO
>
> AZ ScQRPions, QRP-1 1739, ICQ 213663
>
> Phoenix, Arizona

Date: Sun, 10 Jan 1999 02:57:18 EST
From: we6w@juno.com (Ed Loranger)
To: gheron@idt.net
Cc: qrp-1@lehigh.edu
Subject: [29287] Fireball Schematic error.
Message-ID: <19990109.235448.6511.0.we6w@juno.com>

George and Fireball enthusiasts, I had some time to
work on my homebrew fireball TX today.

I'm working from the REV A Schematic (Dec. 1998) I downloaded
from the njqrp webpage and found a discrepancy between
the schematic and the PC board trace patterns.

The schematic is in error. It involves the 20 meter
connection. On the schematic, locate the 20 meter
output connect, it runs to the junction of U2A/B pins
5, 11 and continues up to pin 12. The connect should
stop at 5 and 11 and NOT continue to pin 12. The
PC board is OK.

The fireball works quite nicely with sufficient current

at 5 volts. But the TTL 28.322 oscillator can requires a lot more current than the 16.8 TCXO I was playing with earlier. The TCXO is quite a current miser and I tapped 5 volts off the pixie2 where I have a mod using a zener. This supplied adequate current at 5 volts. But did not supply sufficient current to start the TTL can. So be sure you have the LM78L05 regulator and sufficient current or the TTL can won't start oscillating. Just FYI.

I plan on putting in some time tomorrow if possible and install the 7805 regulator and get on the air finally with this guy.

It has been lots of fun! And the 74HC74's I'm using work fine.

Anyway, if you homebrewed the FB40, make sure you only connect pin 12 to 8 on U2B, taking output from pins 5 and 11 for 20 meters.

And use a strong 5Volt source if you are not getting the power you expected. It may be the TTL can is using up all the power a little 9Volt transistor battery can supply. I recommend initial evaluation on a quiet 5 volt supply or 12V gel cell feeding the regulator.

What a great project. I can't wait to start clean tomorrow and build it up for further experimentation and access for trying different filters and maybe driving my pixie2 up in the 6M band in the next week or so.

Hope this information is useful.

-Ed 72 we6w

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=94/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: 10 Jan 99 05:17:52 EST
From: qrp-1@fido261.qis.net

To: qrp-1@lehigh.edu
Subject: [29288] Small CW Key
Message-ID: <2112_915963472@fido261.qis.net>
Content-Type: text

Saw a post ref a small cw key that a member of this list was offering via his web page. Lost the url, and never got an answer from him ref the key.

Hope someone can send me that information.

thanks

thom lacosta
baltimoremd@baltimoremd.com

Date: Sun, 10 Jan 1999 03:16:44 -0500
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)
To: qrp-1@Lehigh.EDU
Subject: [29289] Re: Small CW Key
Message-ID: <v01530504b2be11c5998e@[205.254.241.214]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Thom,

Do you know about my company?? We offer a unique line up of small and inexpensive Pocket Mini-Keys, Mini-Paddles, and Mini-Keyers. Check out my website. 73/John

John Roblin WA6KY0
Whiterook Products Company
"Mini-Keys and Other Cool Stuff!"
<http://www.west.net/~wpc/>

Date: Sun, 10 Jan 1999 07:04:26 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-1@lehigh.edu>, gqrp-1@blacksheep.org,
towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [29290] New page

Message-ID: <Pine.GS0.3.96.990110065833.15478A-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After name requests over the last few months, I have added a page of links to commercial antenna/tower/parts manufacturers and vendors of which I have knowledge. Although my site is strictly non-commercial, these sites often have information that is useful beyond the realm of advertising products and services. No listing represents an endorsement of any product or service. I welcome corrections and appropriate additions to the list. The link to the list is near the bottom of my main listings page, with the blue-background gold Yagi logo as the key. I hope this represents a useful addition to the site.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \/\ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html		

Date: Sun, 10 Jan 1999 07:50:45 -0500
From: "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29291] On My Way!
Message-ID: <3698A225.60A90CA6@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hope you guys work the Novice portions once in a while.....or do I have to visit my elmer (Ellis-W8YB) when I want to get in and get involved?
(hi)

Got my 5wpm Saturday and plan to have General by Dayton. Sorry, the rig is QRO right now, but I am looking into a couple QRP rigs so I can finally get my feet wet. Now I can renew my membership to QRP ARCI and actually have something to contribute.

Can't wait to work many of you...seems like you all enjoy yourselves.
Well, maybe Ade enjoys himself too much (hi).

72/73,
Erv W8ERV/KT

Date: Sun, 10 Jan 1999 08:18:03 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [29292] Calling All Club Stations
Message-ID: <002d01be3c9c\$1b431b20\$205445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Everyone,

I am wondering if every State has a QRP Club?

If you have a QRP Club in your state & a Club Call for that
club, please e-mail me with the information.

I am looking to possibility sponsor the following:

Worked All States QRP Club Call Award

I first want to see if there is a QRP Club for every state
and
if they have a club call.

Thanks,

73 & Good DX
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Club Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
 Eastern Pennsylvania QRP#1
Eastern Pennsylvania QRP Club Call----> N3EPA

Date: Sun, 10 Jan 1999 07:43:59 -0500
From: w2bj@juno.com (Barry J Minsky)
To: jeff@san-dc.com
Cc: qrp-1@Lehigh.EDU
Subject: [29293] Re: Near Vertical Incidence Skywave (NVIS).
Message-ID: <19990110.082004.-141737.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes. The book is available from WORLD RADIO at PO Box 189490, Sacramento, CA 95818. The cost is \$14.00 plus \$2.00 for shipping and handling.

On Sat, 09 Jan 1999 20:59:41 -0700 Jeff Johnson <jeff@san-dc.com> writes:

>Group: A book on "Near Vertical Incidence Skywave (NVIS)" was
>recommended
>to me, but I have not been able to find it. It was billed as the
>ultimate
>antenna book. Has anyone seen this book??
>Jeff Johnson
>KJ7LO
>
>AZ ScQRPions, QRP-1 1739, ICQ 213663
>
>Phoenix, Arizona
>

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure
Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Sun, 10 Jan 1999 08:25:22 -0500
From: w2bj@juno.com (Barry J Minsky)
To: kb8tnq@voyager.net
Cc: qrp-1@Lehigh.EDU
Subject: [29294] Re: On My Way!
Message-ID: <19990110.082523.-141737.1.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Erv,

I often work the Novice portion of 40 meters and enjoy contacting new hams who like CW. What frequencies are you on and at what times? I would love to hear from you.

On Sun, 10 Jan 1999 07:50:45 -0500 "J. Ervin Bates, W8ERV"

<kb8tnq@voyager.net> writes:

>Hope you guys work the Novice portions once in a while.....or do I

>have

>to visit my elmer (Ellis-W8YB) when I want to get in and get

>involved?

>(hi)

>

>Got my 5wpm Saturday and plan to have General by Dayton. Sorry, the

>rig

>is QRO right now, but I am looking into a couple QRP rigs so I can

>finally get my feet wet. Now I can renew my membership to QRP ARCI

>and

>actually have something to contribute.

>

>Can't wait to work many of you...seems like you all enjoy yourselves.

>Well, maybe Ade enjoys himself too much (hi).

>

>72/73,

>Erv W8ERV/KT

>

>

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century

Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure

Radio Society #359,

Six Club #151, QCWA #29298, OOTC #3723

Amateur Radio Missionary Service

Date: Sun, 10 Jan 1999 08:48:01 -0500

From: Tom Palmer <n1tp@worldnet.att.net>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [29295] Re: Even more Pixie adventures in the field

Message-ID: <3698AF91.468CCD1B@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

> W7LS wrote:

>

> > Now, I see no need to waste the battery power with a whole watt.

>

> > 1/6 of a watt apparently works just fine.

>

> YES! The joy of QRP! W0RSP is right.

>

> Tom, N1TP, Naples, FL.

Date: Sun, 10 Jan 1999 13:59:29 +0000

From: wd3p@juno.com (Larry Cahoon)

To: qrp-l@Lehigh.EDU

Subject: [29296] NA QSO party at 30 mWatts

Message-ID: <19990110.142307.10182.1.wd3p@juno.com>

Well I played around in the NA QSP party while fighting the flu - took three naps during the contest. Set the Sierra at about 500 mWatts and switched in the homebrew attenuator to cut it to 30 mWatts. Ran all this power to my dipoles on 80, 40, and 20. I did cheat for one QSO I needed OR QRP on 40 Meters so when I heard him and he couldn't copy my 30 mWatts I kicked in the big rig and worked him at 5 Watts.

Ended up with 21 QSO, in 15 States, with 17 Multipliers. Best QSO was either AR or WI, I'll have to check the distances. They should come in around 20,000 to 25,000 miles to the Watt. Best of all I picked up three new states at 30 mWatts to bring that total to 29 states. Total power out for WAS is now down to a total of 11.6 Watts. I still need about 3 or 4 states to have them all at 1,000 miles per watt.

72 de Larry.....WD3P

<http://www.erols.com/lejek/>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 10 Jan 1999 09:50:56 -0500
From: wb2vuo@juno.com (W. K. Hibbert)
To: qrp-l@lehigh.edu
Subject: [29297] FS: Argo 556/NB/7-Bands
Message-ID: <19990110.095058.-116519.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This listing is for Lou Kline, K2LKK. He has a Ten Tec Argo 556 with the noise blanker, hand mike and band modules for 160/80/40/30/20/15/10 Meters

Lou is living in a VERY noisy apartment, no room for the HF rig, and doesn't get out to the family digs as much as he'd like, so doesn't anticipate running the rig for quite awhile. He's looking to sell the rig and goodies as a package only. The asking price is \$475 plus shipping by your carrier of choice.

Lou's not on line at this time, so either drop me an Email here and I will call him, or call him after 6 PM weeknites at 716.271.2644. A machine is on line if you miss him. You can call weekends most anytime except Sunday AM

72/73, Keith, WB2VUO, 100% QRP from the Great Bergen Swamp of WNY
My night light runs more power than my Rig!!!

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 10 Jan 1999 10:01:25 -0500 (EST)
From: Bernie Doehner <bad@uhf.wireless.net>
To: qrp-l@lehigh.edu
Subject: [29298] Need help finding cross reference for HW_9 slug tuned inductor..
Message-ID: <Pine.BSF.4.05.9901100959140.1360-100000@uhf.wireless.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi:

Repairing a HW-9. Need to replace the slug tuned inductors that are part of the 10 and 12 meter crystal oscillators (35 and 42 MHz).

On the cans it says:

40-2076
7-8417

Any help very much appreciated (even if you have a gutted out HW-9 for sale).

73

Bernie nu1s/2

P.S. Please Cc: me (in addition to the list) with replies as I sometime cannot read the digests for several days.

Date: Sun, 10 Jan 1999 10:02:28 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: wd3p@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29299] Re: NA QSO party at 30 mWatts
Message-ID: <3698C104.B859CFCA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Larry Cahoon wrote:

> "I kicked in the big rig and worked him at 5 Watts."
>
> Is this almost cheating?

> Love it!

Tom, N1TP, Naples, Florida.

>
>

Date: Sun, 10 Jan 1999 10:31:37 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [29300] Milliwatting DX on 15M
Message-ID: <3698D5E9.7304@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to my new WM-2 I'm enjoying accurate MW QRPp operations!

Friday I worked DL8WF, and found his QSL info. Thanks Hank, and his FB website -> www.tir.com/~k8dd

This AM I worked G3IEW, on 21.026MHz 15:13Z, got a 239 report. My QRP+ running 50mW to a 2 ele quad at 70'. My QTH is a 2200' high mtn top in the Ozarks of Arkansas. Have fun with milliwatting!

Jim KJ5TF AR QRP #2

ps - Just now worked EC7ADS got a 329

Date: Sun, 10 Jan 1999 09:50:55 -0600
From: "J. W. Stevens" <jwsteven@concentric.net>
To: "'QRP-L Reflector'" <qrp-l@lehigh.edu>
Subject: [29301] NVIS Web Site
Message-ID: <01BE3C7E.B9D8EDA0@ts003d13.bat-la.concentric.net>

Gang,

I used to have a reference to a web page that contained excerpts from a manual about NVIS antennas plus lots of other information. It was very interesting. Unfortunately, the bookmark file got blasted somewhere along the way and I no longer have it. Some searching might turn up a good preview of the book from WorldRadio. I'll post the site if I can find it again.

73 John K5JS
Baton Rouge, LA

Date: Sun, 03 Jan 1999 20:26:11 -0500
From: brian <brian@iquest.net>
To: RangerSF5@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [29302] Re: Y2K

Message-ID: <369018B3.F1B@iquest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

RangerSF5@aol.com wrote:

>

> In a message dated 99-01-09 21:40:02 EST, you write:

>

> <<

> At 17:10 99/01/09 EST, RangerSF5@aol.com wrote:

> >I may be wrong but if you recall almost a year ago there was a discussion

> about the roll over date for gps sats >(SV's) I'm sure it was this past

> Aug.Could be wrong but I do remember a lot of what was said on the list.

> >>

> Well,

> RangerSF5 wrote what was said on this list a year ago and someone did say to

> leave your unit on for the roll over time last AUG.

> Well,I love my Sandy 183 compass,no batteries,not affected by RF,don't have to

> wait for a lock up from the SV's,and it doesn't have to worry about Y2K or

> roll over dates.

> Bob

> WA2HOQ

GPS date rollover will occur at midnight on 08/22/99 UTC according to an article I read somewhere last week.

They said most personal GPS devices made before July 1994 will be affected negatively by this event.

Date: Sun, 10 Jan 1999 11:13:03 -0500

From: "Mitch Dickson" <mitch@volstate.net>

To: <wa4dou@usa.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [29303] Re: [Re: [Re: Dumb antenna question]]

Message-ID: <004c01be3cb4\$1ad689c0\$2f338cd1@default>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Roy, you are exactly right. I have already posted to Vic about the bogus assumption about coax length and swr. RF is not a problem either. I think

that with a little more experience Vic will get it. Before any of you out there start worrying about RF, think about where you are sitting. How much RF is the electrical wires putting out around you? How about those crt's on your televisions and computers? Your other appliances? The lights? Want to guess how many thousands of times more RF you are exposed to during a thunderstorm? You are being bombarded every day with hundreds of times more RF than your radio could put out. I worked on television transmitters for a long time. There was so much RF in the transmitter building that the florescent lights burned, just like the switch was on! And 659 mhz is a lot more dangerous than HF. We worked 512 feet (thats how tall the tower was) from 120,000 watts of RF at UHF frequencies! I can stand and hold a couple of hundred watts :). This crap about RF levels from ham radios is just that, crap. Maybe you should start thinking about the real issue, which is why the powers that be want to limit your ability to communicate by limiting your power. The RF "problem" is just the excuse. Think about it. CU
Mitch 73

Date: Sun, 10 Jan 1999 10:20:00 -0600
From: Michael Melland <badger@vbe.com>
To: bad@uhf.wireless.net
Cc: qrp-1@Lehigh.EDU
Subject: [29304] Re: Need help finding cross reference for HW_9 slug tuned inductor..
Message-ID: <3698D330.3BE1@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bernie Doehner wrote:

>
> Hi:
>
> Repairing a HW-9. Need to replace the slug tuned inductors that are part of
> the 10 and 12 meter crystal oscillators (35 and 42 MHz).
>
> On the cans it says:
>
> 40-2076
> 7-8417
>

Bernie,

Good luck OM ! I've been looking for both cans (40-2072 .9 microhenry)
for the 20 meter section for about a year. You might want to check with
Ron Oxley at RTO Electronics (Heath repair)..... at
<http://homepage.usr.com/r/rtoelect/>

As for me he does not have the cans I need so it looks like I'll have to
wind my own. If that works out for me I'll let you know as Bytemark has
all the stuff to make ur own.

73

--

Michael Melland, KB9QHU
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.vbe.com/~badger>
<http://www.qsl.net/kb9qhu>

Date: Sun, 10 Jan 1999 16:19:58 +0000
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-l@lehigh.edu
Subject: [29305] Our R2/T2 DDS VFO
Message-ID: <AYGgfBAuMNm2EwBQ@stevef.demon.co.uk>
MIME-Version: 1.0

Guys,

Thanks for all the responses from my original posting about our
R2 DDS project. I had over 20 E-Mails about the project so there seems
to be a good deal of interest. So the best way to manage this will be
for me to put up my very first web site with all the details necessary
for you to duplicate our design. Negotiations are underway for Sheldon
Hands to kit the design to make it easier for those without big junk
boxes to get the bits. The PIC Source code for the DDS will be put in
the public domain and will available when we have finished de-bugging
it.

It's going to take me a week or so to get the Web Site done. It will be
developed bit by bit. When I have some content for you I'll let you know
via the QRPL. Thanks again for the interest. The three of us are
thrilled to get such a good response. It makes all the hard work worth
while.

73 de

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Sun, 10 Jan 1999 09:29:57 -0700
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [29306] Uniden 10M FS
Message-ID: <199901101629.JAA06990@mailrelay3.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Uniden HR2600 10M all mode for sale. Box, manual and mobile bracket included. Excellent condition. \$175.00, shipped to 48 states.

72, Bob KI0G

Date: Sun, 10 Jan 1999 10:56:38 -0600 (CST)
From: "Jeff M. Gold" <JGold@tntech.edu>
To: qrp-1@lehigh.edu
Subject: [29307] Corsair I
Message-ID: <01J6DG162K9Q8WYWDR@gemini.tntech.edu>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

All,

thanks to Chuck and a couple of others I received a detailed set of instructions on how to disable the relay for the linear on the Corsair I. took all of 2 minutes including removing and putting back bottom case. Love the rig now. ONLY complaint is the AGC and hear others on air complain. Fast is too fast.. little bit of rec thumping and slow is too slow. Been having a blast. Still not sure I will keep the extrenal vfo.. too complicated for me.

72
Jeff, AC4HF

Date: Sun, 10 Jan 1999 09:59:44 -0700
From: Niel Skousen <skousen@srv.net>
To: qrp-1@lehigh.edu

Subject: [29308] Trade SST/40 for SST/20
Message-ID: <v04003a01b2be8ca226ae@[12.7.216.159]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an SST/40 I would like to trade for an SST/20, built or unbuilt

TNX Niel

Niel Skousen : WA7SSA skousen@srv.net
Idaho Falls, ID QRP-L.119 fr DN33wm

Date: Sun, 10 Jan 1999 12:11:15 -0500
From: "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
To: qrp-l@lehigh.edu
Subject: [29309] NVIS Antenna Part Wanted
Message-ID: <199901101714.MAA52166@nss4.cc.Lehigh.EDU>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

I'm using a military surplus NVIS antenna (Collins 637K-1) for field and emergency communications. However there is one piece needed to make this antenna work really well.

When I was in the Air Force, there was an adapter for this antenna included with the Hughes AN/PRC-104. Stored inside the transit case, the adapter was circular in shape and the NVIS plugged into the top and there was a BNC connector a little farther down the side for connection to the PRC-104 antenna coupler. Marine Corps F/O types may be familiar with this adapter as well.

If anyone has any information on this part, please let me know...

Thanks...

72/3 de John AA2BN

OBQRP - This is going to be my 40/80 meter field day antenna....

Date: 10 Jan 99 12:30:19 EST
From: Roy Lincoln <wa4dou@usa.net>
To: qrp-1@lehigh.edu
Subject: [29310] NVIS
Message-ID: <19990110173019.21631.qmail@www0i.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, i give up. Upon reading about reference to NVIS, i assumed we were talking about radiation straight up towards the ionosphere. Is there more to this than meets the eye? 73 Roy Lincoln WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Sun, 10 Jan 1999 12:43:49 -0500
From: w2bj@juno.com (Barry J Minsky)
To: JGold@tntech.edu
Cc: qrp-1@Lehigh.EDU
Subject: [29311] Re: Corsair I
Message-ID: <19990110.124614.-95909.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a Corsair 1 and would be interested in how to disable the linear relay. I have learned to live with it, but it would be nice not to have to. I want to disable it in such a way that I can enable it later if I wish. That is so that, if I ever want to sell it, it can be in original condition. Thanks for any help you can give me.

On Sun, 10 Jan 1999 10:56:38 -0600 (CST) "Jeff M. Gold"

<JGold@tntech.edu> writes:

>All,

>

>thanks to Chuck and a couple of others I received a detailed set
>of instructions on how to disable the relay for the linear on the
>Corsair I. took all of 2 minutes including removing and putting
>back bottom case. Love the rig now. ONLY complaint is the AGC and
>hear others on air complain. Fast is too fast.. little bit of rec
>thumping and slow is too slow. Been having a blast. Still not sure

>I will keep the extrenal vfo.. too complicated for me.

>

>72

>Jeff, AC4HF

>

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century

Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure

Radio Society #359,

Six Club #151, QCWA #29298, OOTC #3723

Amateur Radio Missionary Service

Date: Sun, 10 Jan 1999 12:45:40 -0500

From: w2bj@juno.com (Barry J Minsky)

To: skousen@srv.net

Cc: qrp-l@Lehigh.EDU

Subject: [29312] Re: Trade SST/40 for SST/20

Message-ID: <19990110.124614.-95909.1.w2bj@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I wish I could help you. I have both an SST/20 and an SST/40. I am looking for an SST/30. If anyone knows where I can buy one, please let me know.

On Sun, 10 Jan 1999 09:59:44 -0700 Niel Skousen <skousen@srv.net> writes:

>I have an SST/40 I would like to trade for an SST/20, built or

>unbuilt

>

>TNX Niel

>

>------- .- --... .. .- -----

>Niel Skousen : WA7SSA skousen@srv.net

>Idaho Falls, ID QRP-L.119 fr DN33wm

>

>

>

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century

Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure

Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Sun, 10 Jan 1999 11:59:10 -0600
From: guillotstutoring@juno.com
To: qrp-1@Lehigh.EDU
Subject: [29313] Y2K is nothing compared to the dreaded M10
Message-ID: <19990110.115910.-900685.0.guillotstutoring@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Back around the 50's and 60's they used to use data cards as input to computers. It was an 80 column card that the computer would read. You would use it to input data as well as software. Around the beginning of the year some programmer wrote software for processing data that involved dates. The programmer reserved a 5 column field for the date. The first for the month, next two for the day, and two for the year. Other fields were dedicated for other purposes such as names, amounts of money, etc. Well all hell broke loose in October 1, because October was the first month that required two columns. The keypunch operator (the person who would punch holes in the cards) put the zero in the month column and the one in the previous column to the left which was dedicated to a money field, so a \$100 transaction on October 1, became a \$1,001 transaction on the zero month first day of that year. Ed N5ED

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 10 Jan 1999 13:07:08 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [29314] HAM LINKS
Message-ID: <3698EC4C.CEFDA36C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For another excellent HAM links page see:

http://users.accessus.net/~dwentz/kb9jja/jja_ham-links.html

72/73, Tom, N1TP

Date: Sun, 10 Jan 1999 13:12:24 -0500
From: "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
To: qrp-1@lehigh.edu
Subject: [29315] Re: NVIS
Message-ID: <199901101815.NAA59624@nss4.cc.Lehigh.EDU>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Roy,

Actually you'll never get DXCC with a NVIS antenna :^D

Near Vertical Incidence Skywave is really effective in providing reliable regional communications, on the order of 0-300 miles (you milage may vary). When I was in the Air Force, we would maintain HF voice circuits (Tactical Air Request Net) all over West Germany with NVIS antennas, and it worked very well.

I'm going to experiment with QRP NVIS communications if I can locate the part I need for my mil surplus antenna. Should be just the ticket for close in work on ten meters when the band is T00 hot for local work...

72/3 de John AA2BN

>From: Roy Lincoln <wa4dou@usa.net>
>Subject: NVIS
>Date: Sun, Jan 10, 1999, 12:30

OK, i give up. Upon reading about reference to NVIS, i assumed we were talking about radiation straight up towards the ionsphere. Is there more to this than meets the eye? 73 Roy Lincoln WA4DOU

Date: Sun, 10 Jan 1999 12:15:40 -0600
From: "Brian Olson (I2)" <bolson@informns.k12.mn.us>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [29316] Flavorig
Message-ID: <3698EE4C.169954CA@InforMNs.k12.mn.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for information on the Flavorig, a 80meter(want to build for 40)
Novice band 5w cw transceiver, built around a Radio Shack
Flavorradio(am radio that cost \$7.00).
Article appeared in 73 Amateur Radio November 1989. Would the results
be worth the
effort (I know I'd learn a lot)? I would want to end up with a
functional set. Any help is appreciated!

Date: Sun, 10 Jan 1999 13:44:02 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [29317] Millennium Declaration!
Message-ID: <19990110.104100.4903.3.we6w@juno.com>

I hereby declare that whatever day it was, 1000 years
ago from 1/1/2000 is where I started counting for my
millennium celebration.

I will also be celebrating a millennium from my birthday
in 2958.

See ya.

-Ed

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=94/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: 29 Dec 98 18:34:13 GMT

From: Roy Lincoln <wa4dou@usa.net>
To: owner-qrp-1@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29318] Re: [Millennium Declaration!]
Message-ID: <19981229183413.19480.qmail@www0a.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed,

I'm not sure that, in the grand scheme of things, any division of time has any meaning or relevance. I certainly think these things tend to take on an importance, disproportionate to anything real, in the minds of man. Ha! 73
Roy Lincoln

WA4DOU-----

I hereby declare that whatever day it was, 1000 years ago from 1/1/2000 is where I started counting for my millennium celebration.

I will also be celebrating a millennium from my birthday in 2958.

See ya.

-Ed

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=94/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Sun, 10 Jan 1999 14:27:43 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [29319] FS MFJ CW QRP
Message-ID: <40efbe9f.3698ff2f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

For sale
the following rigs
MFJ 15-M CW.....\$100.00 shipped
MFJ 20-M CW.....\$100.00 shipped
MFJ 30-M CW.....\$100.00 shipped
Also have the RS digital SWR/WATT meter.....\$30.00 shipped
Bob
WA2HOQ

Date: Sun, 10 Jan 1999 14:02:05 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: jzaruba@mail.snip.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29320] Re: NVIS
Message-ID: <3699073D.BD078D05@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John,

I may have misunderstood you, but I believe 10M would not support NVIS communication in the normal sense of the word. The MUF for NVIS propagation seldom rises above 10-15 MHz. One must choose a wavelength in which the signal will return back to earth when transmitted toward the zenith. At ten meters the signal will always pass through the ionosphere at that angle of incidence. This is why some satellites have their downlinks there. For close skywave work on 10M one usually has to resort to short sporadic E and backscatter modes. I've found backscatter via F layer propagation to be very effective on 10M although one should use an antenna designed for good DX. Point your antenna toward the Caribbean during the day or the south Pacific in the evening and you can work stations by scattering your signals off of the oceans. This is usually a weak signal mode but can at times be performed using QRP. Signals take on a hollow sound but can remain very stable. Just make sure the stations you work know the mode your using so that they don't try and turn their antennas toward you. If they do, you will not hear from them again.

I apologize if I misunderstood you. I'm not familiar with the antenna you speak of (Collins 637K-1) and you may have other plans for it on 10M. I hope you find the missing part.

73,
Steve Yates
AA5TB
Fort Worth
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>

Date: Sun, 10 Jan 1999 14:21:24 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [29321] ZL9CI
Message-ID: <Pine.LNX.3.95.990110141911.7984A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...just worked ZL9IC...2012Z.....21.024...up 5.....qrp 5 watts cw....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club "QRP! How sweet it is!"

Date: Sun, 10 Jan 1999 13:18:58 MST
From: "Jerry McCollom WOMC" <w0mc@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [29322] Re: Any interest in more 10-turn pots?
Message-ID: <19990110201859.12915.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Hi Folks,

Looks like there's plenty of interest for another round of a 10-turn pot group buy. Before I make it official, let me talk to the supplier on Monday and lock in the price (we'll probably only order around 40, but I want to be sure we get the same price we got when we ordered 300+!). I'll post the interest list and payment details after that.

Thanks for all the responses & look for the Monday message!

72,

Jerry
WOMC

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 10 Jan 1999 15:32:09 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: rattray@gpfn.sk.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [29323] Re: ZL9CI
Message-ID: <36990E48.8C819D94@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OUTSTANDING! because he has a big pile up (not to mention many stations dropping their call signs on his transmitting freq.) Can't they hear "UP"? Tom, N1TP.

Bruce Rattray wrote:

> ...just worked ZL9IC...2012Z.....21.024...up 5.....qrp 5 watts cw....
>
> ...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club "QRP! How sweet it is!"

Date: Sun, 10 Jan 1999 12:44:03 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <n1tp@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [29324] Re: ZL9CI
Message-ID: <19990110204502.KNQ718@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ZL9CI DXpedition has a terrific site on the internet --- to confirm whether or not you're in the log. Info is avbl about 24 hours after the QSO.
Check the website out at:

<http://www.kkn.net/~zl9ci/>

More than 20k QSO's so far, and all of them (allegedly) are "checkable."

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Sun, 10 Jan 1999 13:54:05 -0700 (MST)
From: n5zgt@swcp.com (Brian Mileschosky)
To: qrp-l@Lehigh.EDU
Subject: [29325] WTB: NorCal 20 Kit Please
Message-ID: <199901102054.NAA05883@kitsune.swcp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Everybody,

Sadly, I am one of the unfortunate ones who did not purchase a NorCal 20 kit while they were available by the folks from NorCal. :-(

I am wondering, if by any chance, anybody has one, or will have one that they would like to part with. I will be more than happy to pay the same price, plus shipping, that NorCal requested for the kit.

If you, or anyone you know, has one they'd like to sell (when they are shipped by NorCal), please email me. Thank you very much!

72,
Brian, N5ZGT
Albuquerque, NM
<http://www.swcp.com/~n5zgt>

Boy Scouts of America Amateur Radio - N5ZGT
Eagle Scout 12/6/96 ARRL QRP: NorCal #1700 QRP-L #580 AK/QRP #125
ASM - Troop 41 Worldradio Magazines's Youth Forum Columninst
Albuquerque, N.M. Packet: N5ZGT @ K9KUW (Temp QRT)
O.A. Lodge 66 Chief-elect Internet: n5zgt@swcp.com
Yah-Tah-Hey-Si-Kess <-W-W-W-<
Please Visit my Homepage at: <http://www.unm.edu/~brianm>

Date: Sun, 10 Jan 1999 15:07:57 -0600
From: The Boices <boice@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [29326] Re: NVIS Web Site
Message-ID: <3.0.6.32.19990110150757.00911d40@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:50 99/01/10 -0600, J. W. Stevens wrote:
>I used to have a reference to a web page that contained excerpts from a
>>manual about NVIS antennas plus lots of other information.

Here's the link I have:

<http://www.gordon.army.mil/acd/tcs/hf/2418xtr2.htm>

73,

Mike Boice, KW1ND
Canyon TX

Date: Sun, 10 Jan 1999 16:17:39 -0600
From: The Boices <boice@bigfoot.com>
To: qrp-1@Lehigh.EDU
Subject: [29327] Various military manuals on-line (including comms)
Message-ID: <3.0.6.32.19990110161739.00929100@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This site is contains tons of military manuals on-line, most of which are available to the general public. There are many manuals (training, graphic aids, operation, repair) from the Signal Corps dealing with various radios and communication techniques and procedures.

Obviously, they also have manuals for weapons maintenance, survival, etc. Lots of stuff! You can view it on-line in html or download it in Adobe Acrobat .pdf form.

[HTTP://155.217.58.58/ATDLS.HTML](http://155.217.58.58/ATDLS.HTML)

73,

Mike Boice, KW1ND
Canyon TX

Date: Sun, 10 Jan 1999 17:43:23 EST
From: we6w@juno.com (Ed Loranger)
To: ko4wx@mindspring.com
Cc: qrp-1@Lehigh.EDU
Subject: [29328] Re: MRX-40 Receiver Questions
Message-ID: <19990110.144017.4903.0.we6w@juno.com>

On Sat, 09 Jan 1999 21:54:40 -0500 Mike Boatright <ko4wx@mindspring.com> writes:

>As a nice companion to the NOGA 80 transmitter, I'm looking to build
>an
>NE612 based, SIMPLE receiver, following K8IDN's MRX-40 design. I'm a
>bit baffled by the receiver input circuit and was wondering if anyone
>could help me out. In a nutshell, the 40m receiver input is like
>this:

```
>
>  ant                                +-----+-----+  NE612
>  \|\                                |         |         |  IC
>  |                                = C1      |         |  +- Pin 1
>  /                                | 91pF    )L1
>  \<-----^^^-----+          (5.6uH    +- Pin 2
>  / R4 10Kohm          |         )         |
>  | variable          = C2      |         |
>  |                   | 470pF   |         |
>  |                   +-----+-----+
>  |                   |
>  |                   = C3
>  |                   | 0.1uF
>  ---                ---
>  ///                ///
```

>Aside from any comments about the high tech graphics, could someone
>help me out with the following:

>
>1) What would be the appropriate values for C1, C2 and L1 for
>80meters
> (3686KHz)? (Note that I'm taking the circuit from K4TWJ's article
> in the August, 1997 CQ, where he changes the values to C1=68pF,
> C2=330pF and L1=4.7uH).

Mike, I don't have the time to do the math, but it is real easy.
To scale the circuit, find the reactance values at the posted
design frequency then extract the value for other frequencies.
The formulas are: $X_c = 1/(2 \cdot \pi \cdot F \cdot C)$ and $X_l = 2 \cdot \pi \cdot F \cdot L$, all in
base units. Then the new $Cap = 1/(2 \cdot \pi \cdot F \cdot X_c)$ and the new
 $inductance = X_l / (2 \cdot \pi \cdot F)$.

so you can compute to any frequencies you wish this way.

>

>2) How does this input circuit work and what are the appropriate
> formulas for calculating C1, C2 and L3?

L3 resonates with the C1C2 combo. The C2 has a lower reactance and that is so the tank isn't loaded down by the impedance of the antenna/gain pot circuit. Similar to finding the tap point above ground on an inductor. The further you tap on the coil from ground, the higher is the impedance at that tap. This is a capacitively tapped circuit. Some input schemes use a ratio capacitor for this job and is variable. The total capacitance does not change, so the resonant frequency remains set. But the impedance is adjustable for power transfer.

>

>3) With regard to 2, I THINK this is a "balanced input", but am not
> 100% sure. I think it's balanced, since the 470pF capacitor is
>not

> grounded. Also the ARRL Handbook says that the NE602 (similar to
> the NE612, but not the same) has an AC impedance of 1500 ohms in
> parallel to 3pF of capacitance. Does this factor into the
> equations for Q2?

I have no idea about Q2, I've never seen the schematic, but the above is a unbalanced to balanced circuit feeding the NE612.

>

>4) I'm sure the point of this input circuit is to be resonant around
> 7040KHz. How, exactly, is the circuit resonant? It's the split
> capacitors that confuses me.

>

Total capacitance across the inductor is what sets the resonant frequency. This is primarily a function of the C1/C2 combo. Capacitors in series will have a total capacitance less than either of the two capacitors. The basic formula for capacitors in series is identical to resistors in parallel.
$$C_t = 1 / (1/c_1 + 1/c_2)$$
 ; Base units.

>Thanks es 72, de Mike, K04WX

hope this helps. I didn't see any other responses so am trying to help.

>--

>Mike Boatright, K04WX

>Amateur Radio Emergency Service,

>District Emergency Coordinator to Georgia Emergency Management Agency

>

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=94/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: 10 Jan 99 18:17:22 EST
From: Roy Lincoln <wa4dou@usa.net>
To: qrp-l@lehigh.edu
Subject: [29329] NVIS
Message-ID: <19990110231722.1721.qmail@www0a.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Well, i'm glad to know that my initial assessment of what i was hearing suggested the sort of situation that exists on 160,80-75,40 and to some extent 30 meters, where the use of horizontal antennas at a small fraction of a wavelength high, directs much or most of the radiation upward. Thats been the story of the antennas at WA4DOU for most of my ham life, with few exceptions. One technique i remember reading about is to place a wire at ground level or a little above it, under the main antenna. Its length would be anywhere from the same length as the horizontal antenna(dipole readily comes to mind) to perhaps 3-5% longer. Whether enhancing the ground reflection under the antenna or acting as a reflector straight up, the whole point is to maximize the NVIS.

Now my question! With the exception of amateur nets or those who just enjoy or prefer local communications in their neck of the woods, what practical use does this have for the rest of us? Its the antithesis of the DX antenna! Ha!

73 Roy Lincoln WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Sun, 10 Jan 1999 16:54:21 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@lehigh.edu
Subject: [29330] FS: RADIO HANDBOOK
Message-ID: <Pine.OSF.3.91.990110165339.19659A-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

For Sale: RADIO HANDBOOK by William I. Orr, 19th edition (1972), hardbound,
excellent condition, \$20 plus \$2 shipping in the U.S.

Jim Rybak W0KSD

End of QRP-L Digest 1332

